

Date: Mon, 24 Oct 94 04:30:23 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: List
Subject: Ham-Equip Digest V94 #389
To: Ham-Equip

Ham-Equip Digest Mon, 24 Oct 94 Volume 94 : Issue 389

Today's Topics:

 AMP for cellular phone (800 MHz)
 Any D.C. area OMNI V/VI users?
 Does ICOM IC-1271A (1.2 GHz) lose RAM?
 FS:44' telescoping mast \$45
 GPS Info (2 msgs)
 How can I hook up a SGC tuner to a TS-50?
 HP412A VTVM questions
 Info on FT2200/2400
 Info on NiMH batteries wanted...
 Interface cable for TS 850 S
 KENWOOD 733A MODS
 Kenwood HT 22AT
 Kenwood TS-50 vs Yaesu FT-900
 manual or address needed
 Omni VI opinions
 PK-900 and JVFAX7
 putting the word 'RADIO' back into packet radio

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sun, 23 Oct 1994 02:19:08 GMT
From: steve@vigra.com (Steve Haehnichen)
Subject: AMP for cellular phone (800 MHz)

-=> On 22 Oct 1994 13:22:04 -0400, nx7u@aol.com (NX7U) said:

>> My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones
>> and some of the handhelds give the full legal limit of six watts
>> according to my local Cellular 1 provider. Most of the handhelds
>> are only 3 watts or less.

> Actually, it's like this:

> Power class 0: mobile phones (in vehicles) max power output = 3 watts.
> power class 1: transportable phones (bag phones) max power is 4 dB less =
> 1.2W.

Has it always been this way? Radio Shack used to sell a bag-phone
that was a full 3 Watts. Maybe they still do. "Maximum power" was a
boasted feature.

> power class 2: portable phones (handhelds) max power is 8 dB less =
> 0.6 watts.

Blaupunkt regularly advertises their 1.2W handheld as being the most
powerful handheld. Of course, this could be a high-gain antenna
combined with deceptive marketing, but their talk-time seems to be
shorter than most, so it could be true.

> All phones are capable of being dynamically powered down by the
> cellular system to -28 dB of power class 0 (or 4.75mW)
> nx7u@aol.com

-Steve

Steve Haehnichen
steve@vigra.com

Vigra, Inc. San Diego, CA
(619) 597-7080 x116 Fax: (619) 597-7094

Date: 23 Oct 1994 20:57:09 GMT
From: ham@wam.umd.edu (Scott Richard Rosenfeld)
Subject: Any D.C. area OMNI V/VI users?

I have an OMNI V and would like to listen to another copy of the same,
or to an OMNI VI, with the hopes of figuring out if mine has a problem.

Maybe even swap boards w/another OMNI V? It's either the PBT mixer
or the IF/AF board RF amps. The radio makes a hiss when no filter
is selected, and it's pretty loud...

Can anyone help me out?

Scott 301-549-1022 (h) 301-901-9260 (w)
NF3I

--

73,

----- The
 \ / Long Original
Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live \$5.00
WAC-CW/SSB WAS DXCC - 130 QSLed on dipoles -----| Dipoles! Antenna!

Date: Mon, 24 Oct 1994 00:40:19 GMT
From: dgf@netcom.com (David Feldman)
Subject: Does ICOM IC-1271A (1.2 GHz) lose RAM?

Some of the ICOM VHF/UHF base multimodes have the fine feature of losing their firmware if you let the CMOS battery discharge completely.
I believe the IC-271A does this.

Does the IC-1271 share this fine quality?

73 Dave WB0GAZ dgf@netcom.com

Date: 23 Oct 1994 17:19:48 -0500
From: krispy@bga.com (Kris Schludermann)
Subject: FS:44' telescoping mast \$45

44 foot hot galvanized steel tubing telescoping mast. can be adjusted in length from 10' to 44'. has 5 sections, each segment has hand clamp and attachment points for 4 guy wires. base segment is 2.25"od top segment is 1.25"od. each segment has provisions for being pinned at max extension.

this is a heavy unit so shipping is likely going to be expensive.
delivery possible in Texas.

kris

Date: 23 Oct 1994 12:05:10 -0700
From: rdcole@crl.com (Ron Cole)
Subject: GPS Info

Mike Ligeza (ab376@FreeNet.Carleton.CA) wrote:
: This may not be the place for it, but a friend of mine has a GPS Receiver
: and is looking for some specific info that is not in the manual.

: Is there a SIG that caters to specific questions concerning GPS??

Check sci.geo.satellite-nav. That newsgroup is a GPS news group.

```
-----  
Ron Cole                Internet:rdcole@crl.com    ICBM:29 31.03 N  
N5HYH                  CIS:70325,102              98 25.55 W  
CE KZEP/KHBL           AX25:N5HYH @ K3WGF.STX.NA  
-----
```

--
Ron Cole

Date: Sun, 23 Oct 1994 11:59:53 GMT
From: ab376@FreeNet.Carleton.CA (Mike Ligeza)
Subject: GPS Info

This may not be the place for it, but a friend of mine has a GPS Receiver
and is looking for some specific info that is not in the manual.

Is there a SIG that caters to specific questions concerning GPS??

Regards

Mike - VE3UIL

--

```
#####  
Mike Ligeza Snr.- VE3UIL  
Ottawa, Ontario  
Canada  
-----
```

Date: Sun, 23 Oct 1994 13:42:04 GMT
From: dbraun@ilx049.iil.intel.com (Braun Doug)
Subject: How can I hook up a SGC tuner to a TS-50?

Has anyone ever figured out how to hook a non-Kenwood antenna tuner
to a Kenwood TS-50, using the special antenna tuner connector on
the TS-50? It's no big deal to get the 12 volt power from this
connector, but it would be even nicer if the "AT TUNE" button would
work, and not just beep at me. Specifically, I want to use a SGC
SG-230 tuner. Also, is it easy to find the matching plug for the
connector?

Doug Braun (4X/N10WU)

Email: dbraun@inside.intel.com
Intel Mail: IDC1-41
iNet: 8-435-5069 Long Distance: 011-972-4-655069
Fax: 8-435-5999 Long Distance: 011-972-4-655999
Snail Mail: US: Other:
PO Box 311 Intel Israel, Ltd.
Mendham, NJ 07945 IDC-42
Matam Scientific Center
Haifa, Israel 31015

From a CD-ROM advertisement:

"This Disc contains Hacking, Phreaking, Tone Box Information, Anarchy,
Subculture, Magic, Internet & Computer Security Secrets, Bomb Plans,
FBI & Police Net Files, Virus Code, Sick & Twisted Graphics, UFO,
Occult, even HAM RADIO Files, plus much, much more!"
^^^ ^^^^^

Date: Sun, 23 Oct 1994 01:18:28 GMT
From: vancleef@netcom.com (Henry van Cleef)
Subject: HP412A VTVM questions

I picked up two HP412A DC VTVM's at a hamfest. One was supposedly
"working," the other has had all its leads (including the power cord)
chopped off. After a little investigation, I got the "working" one to
work---by bulbsnatching a bulb for the chopper.

What are these bulbs? I don't see any markings on them.

Also, any sources for manuals on stuff like this? I might see if I can
get the second one to work---it's clean inside and out, good fuse in the
holder, and I might put power to it and see what happens.

--

=====
Hank van Cleef The Union Institute History of Science
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

Date: Sun, 23 Oct 1994 10:23:36 GMT
From: pouelle@uoft02.utoledo.edu
Subject: Info on FT2200/2400

In article <388c86\$3j0@reznor.larc.nasa.gov>, dgs@draco.larc.nasa.gov (Dave G Shively) writes:

>Any opinions on mobile 2m rigs? I am currently looking at the

>Yaesu FT2200 and 2400.

>

>Also, what about the Yaesu dual banders, the FT5100/5200 ?

>

>Thanks for any info,

>

>Dave KC4HUM

>

Dave,

I just got a Yaesu FT-2500M. Nice rig. I got it so when my wife gets her license she can use it without spending another 6 months trying to figure out what happened when she pushed the "wrong" button. The alph display for memory channels should make it easy for her to QSY to the proper channel too. I hear good things about the 2400 too. By the way, the mods for making the 2500 work on 9600 baud packet are in the instruction manual with pictures!!!! The rig cost \$319.95 to your door from Ham Radio Outlet (\$5 for COD). There is a \$30 coupon in that price - don't know how long that runs.

Happy hunting

73

Patrick

KB8PYM

pouelle@utphya.phya.utoledo.edu

Date: Sun, 23 Oct 1994 23:37:47 GMT

From: bad1679@ultb.isc.rit.edu (B.A. Doehner)

Subject: Info on NiMH batteries wanted...

Hi All,

I would like to add a rechargeable battery to the inside of my A&A QRP rig and replace the insert of my Kenwood PB-21 pack with new batteries. I would like to try using Nickel Metal Hydrite (sp?) or rechargeable Lithium batteries instead of NiCad's because of their higher energy density. However, I have been unable to find a source of either Nickel Metal Hydrite or rechargeable Lithium batteries.

Does anyone know of a company that will sell either Nickel Metal Hydrite or rechargeable Lithium batteries?

If so, please send me their address and/or phone number..

THanks...

Bernie Doehner nu1s/9

Date: 24 Oct 94 10:36:33 GMT
From: Karl-Heinz.Merscher@uvw.uni-bayreuth.DE (Karl-Heinz Merscher)
Subject: Interfacecable for TS 850 S

Hi out there,

does anybody have a connection schematic to built up the interfacecable for a Kenwood TS 850 S?? I=B4d like to connect my transceiver with my IBM=20 compatible PC.

Any suggestions??

vy 73 de DL6RDE/AA1KD, Karl-Heinz "Charlie"

Date: Sun, 23 Oct 94 23:58:07
From: keith.knipschild@asb.com
Subject: KENWOOD 733A MODS

Has anyone found MODS for the Newest DualBander 2/70cM mobile radio from Kenwood ???

I cut the 2 jumpers behind the display, but all that gave me was:

VHF Rx 118 - 174 Mhz
VHF Tx 142 - 152 Mhz

UHF Tx 420 - 450 Mhz
UHF Rx 410 - ~ 517 Mhz (even though the display says different)

Example ::

To recieve 470.8375 you would set UHF to 353.7875 Mhz.....the magic Number is 117.0500 Mhz

470.8375 >>>>>>>> freq to wanted to listen to
- 117.0500 >>>>>>>> magic number

353.7885 >>>>>>>> Freq to tune to on Kenwood 733

If there are any mods please POST or E-Mail Me ...

Keith

* SLMR 2.1a * Keith.Knipschild@ASB.COM

Date: 23 Oct 94 21:12:29 GMT
From: lthfbjk@northstar.k12.ak.US (Bud Kuenzli)
Subject: Kenwood HT 22AT

I am considering purchasing a Kenwood HT 22AT for both myself and my wife for use a communications device between snowmachines. I have been told that we would be able to rig up a VOX system and filter out the unwanted snowmobile noise and be able to speak to each other. There are simple headsets (non-2 meter tubes) on the market for such use but nobody I know likes them.

Does anyone have any comments on the Kenwood 22AT or have other recommendations? Does anyone have a good source for them (I cannot purchase any locally). Does anyone have a source for a mics and earphones I can hook up to them, and finally, does anyone know about a mic that is part of an earphone that "hears" you via the bones of your inner ear? I have seen such a unit advertised more than once but don't know how effective it would be. If it worked it would be great because up here where we ride at -30 a mic can tend to freeze over with your breath as it freezes on the mic!

Any comments would be appreciated on helping to set this up.

I cannot get into the usenet portion of the internet so any replies must be posted here or be sent to me via e-mail
lthfbjk@northstar.k12.ak.us

Date: Sun, 23 Oct 1994 04:40:44 GMT
From: jkauffmn@netcom.com (James V. Kauffman)
Subject: Kenwood TS-50 vs Yaesu FT-900

George Csahanin (georgec@onramp.net) wrote:
: In article <37p6o6\$r1j@newsbf01.news.aol.com>, n3odx@aol.com (N3ODX) says:
: >I was set on buying a new TS-50 for mobile operation and then I saw the
: >ads for the FT-900 now I am decided what would be the best choice.
: >

I installed the FT-900 along with an SGC-230 and a straight 9 ft whip

in my Dodge Raider. I used the separation cable because I already have too many radios in my dash (NOT).

The FT-900 performs very well, I have not found the 'birdies' on any band. The combination is a winner! I've gone from 40M to 17M in a couple of seconds (internal tuner = off).

I have Icom, Kenwood, and Yaesu products. Given the choice between radios of similar capabilities and price, I'll take the Yaesu every time. Both my Kenwoods have been back to the shop repair\$, Icom tends to be expensive. Yaesu recently has built some very solid, high performance radios. I've found them to be very reliable and forgiving. As long as Yaesu continues to mfg high tech radios with excellent quality control, I'll continue to buy radios from them.

Best contact so far (radio is 2 weeks old) is from a parking lot in San Diego to Oviedo, Spain on 15M with 50 watts.

Good luck

Jim

--

N7TTO

Date: Sun, 23 Oct 1994 12:55:58 UNDEFINED
From: shoxie@primenet.com
Subject: manual or address needed

looking for either an address to Tokyo-Hy power or a copy of the manual for A TOKYO-HY power 2mtr amp....model # HL-82V....I bought one used with out any documentation...please help if you can...
steve

Date: 23 Oct 94 10:23:32 -0600
From: jmg@tntech.edu (Jeff Gold)
Subject: Omni VI opinions

I am considering selling my Kenwood 850S in favor of getting a Ten Tec Omni VI.. any opinions, happy or unhappy Omni VI users out there.

,

thanks

Jeff, AC4HF

Date: Sat, 22 Oct 1994 11:00:46 LOCAL
From: asken@primenet.com (Ken Fredstrom)
Subject: PK-900 and JVFAX7

Does anyone know how to get jvfax to transmit FAX and SSTV with the PK-900?
I have tried everything and jvfax will not key my transmitter. Any help would
be appreciated. KEN

Date: Sun, 23 Oct 1994 16:17:57 -0400
From: dino@cam.org (Dino Moriello)
Subject: putting the word 'RADIO' back into packet radio

A friend of mine is looking for hams that are interested in discussing the radio
aspect of packet radio. i.e., tx delays, sythesized radio on packet, group delays,
etc. He's interested in putting the radio back into packet radio.

If you are interested in the radio side of the hobby and not just BBS forwarding,
and running packet dx clusters, bbs, nodes, etc just send him an e-mail or send it
to too so I can relay the info.

His packet radio address is VE2BMQ@VE2FKB, his name is Burt. He'S built a digital
regen repeater and installed many nodes on 2m and UHF. You can also try
ve2bmq%ve2fkb@bbs.ve2ums.ampr.org on the internet.
IF you could also send me a copy in case the other 2 methods don't work.

thanks Dino

--
[Dino Moriello : dino@cam.org or moriello@rouyn-ogc.hydro.qc.ca]
[VE2DM@VE2FKB : WWW Home Page:http://www.cam.org/~dino/index.html]
["Too boldly go where no one has gone before" - Star Trek]

Date: 20 Oct 1994 21:35:20 GMT
From: s2202629@np.ac.sg (Teh Aik Wen)

References<374dng\$4b9@hpscit.sc.hp.com> <94100921505400104@g4udt.demon.co.uk>,
<37bpdtp6i@hpscit.sc.hp.com>
Subject: Re: TH-79A mods wanted!!!

In article <37bpdtp6i@hpscit.sc.hp.com>,
Mark Butterworth <mark@sj.hp.com> wrote:

>: Why the eagerness to extend TX and RX beyond the range covered by your
>: licence? As far as Tx is concerned, it is very risky as if your radio

>: Why spoil a nice new HT with non-reversable internal diode mods?
>

>Anyway the next time you are in a magnitude 8.0 earthquake and only have
>your HT you might be thinking about extended RX too!

I'm new to this amateur radio, and I'm still in the pursuit of my licence
(s'pore licencing isn't exactly the most convinient)

But I was wondering: IF you did such mod to your HT, as well as a extended
TX mod, and in the event of an emergency, it should be ok to xmit on 'out
of band' freqs isn't it? (That is, if it is an emergency).

And having read some other places, I have come across one point, and it was
supposedly an amateur is to be 'prepared'.

So, don't you think you ought to be prepared, and get extended TX too? You
know, just in case...

But is it illegal to own/posess a rig that can get out of band (even though
you don't use it on out of band freqs).

Nothing can ever beat the fustration of being able to
hear them, but not being able to tell them were you might be...

Just my 0.02 worth of thoughts...

End of Ham-Equip Digest V94 #389
